

Title (en)

THERMALLY STABLE SILOXANE-BASED PROTECTION FILM

Title (de)

WÄRMESTABILER SCHUTZFILM AUF SILOXANBASIS

Title (fr)

FILM DE PROTECTION THERMIQUEMENT STABLE À BASE DE SILOXANE

Publication

**EP 3455319 A4 20191225 (EN)**

Application

**EP 16901324 A 20160513**

Priority

CN 2016082013 W 20160513

Abstract (en)

[origin: WO2017193369A1] Protective film articles include a thermally stable tape backing with a first major surface and a second major surface, a primer layer on the first major surface of the thermally stable tape backing, and a self-wetting, tack-free adhesive layer at least partially coated on the primer layer. The tack-free adhesive layer includes at least one siloxane-based elastomeric polymer that is thermally stable, and is able to removably adhere to an optical or electronic device without leaving residue on the optical or electronic device. The protective film articles can be used in the preparation of a wide range of optical and electronic articles.

IPC 8 full level

**C09J 183/04** (2006.01); **C08G 77/452** (2006.01); **C09J 7/50** (2018.01); **C09J 183/10** (2006.01); **G02B 1/14** (2015.01)

CPC (source: EP US)

**C09J 7/50** (2017.12 - EP US); **C09J 183/10** (2013.01 - EP US); **G02B 1/14** (2015.01 - EP US); **C08G 77/452** (2013.01 - EP US); **C08G 77/455** (2013.01 - US); **C08G 77/70** (2013.01 - US); **C09J 2203/326** (2013.01 - EP US); **C09J 2301/414** (2020.08 - US); **C09J 2301/416** (2020.08 - US); **C09J 2483/00** (2013.01 - EP); **C09J 2483/003** (2013.01 - EP); **G02B 2207/101** (2013.01 - EP)

Citation (search report)

- [XA] WO 03052019 A1 20030626 - 3M INNOVATIVE PROPERTIES CO [US]
- [XA] US 2007148475 A1 20070628 - SHERMAN AUDREY A [US], et al
- [A] EP 1760132 A1 20070307 - NITTO DENKO CORP [JP]
- [A] WO 2015013387 A1 20150129 - 3M INNOVATIVE PROPERTIES CO [US]
- See references of WO 2017193369A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2017193369 A1 20171116**; CN 109153904 A 20190104; EP 3455319 A1 20190320; EP 3455319 A4 20191225; US 2019144726 A1 20190516

DOCDB simple family (application)

**CN 2016082013 W 20160513**; CN 201680085687 A 20160513; EP 16901324 A 20160513; US 201616186028 A 20160513